

TITLE

SCREENING FOR ELECTRICAL CONDUCTIVITY OF MOLECULES BY  
MEASURING SURFACE POTENTIAL

ABSTRACT

5           Surface potentials of a number of patterned conducting and  
insulating self-assembled monolayers (SAMs) were measured by  
scanning surface potential microscopy (SSPM) as part of a study in  
molecular electronics. Differences in surface potential were measured for  
insulating and conducting molecule SAMs on gold. The SAMs were  
10       patterned by microcontact printing.

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SNF/dmm